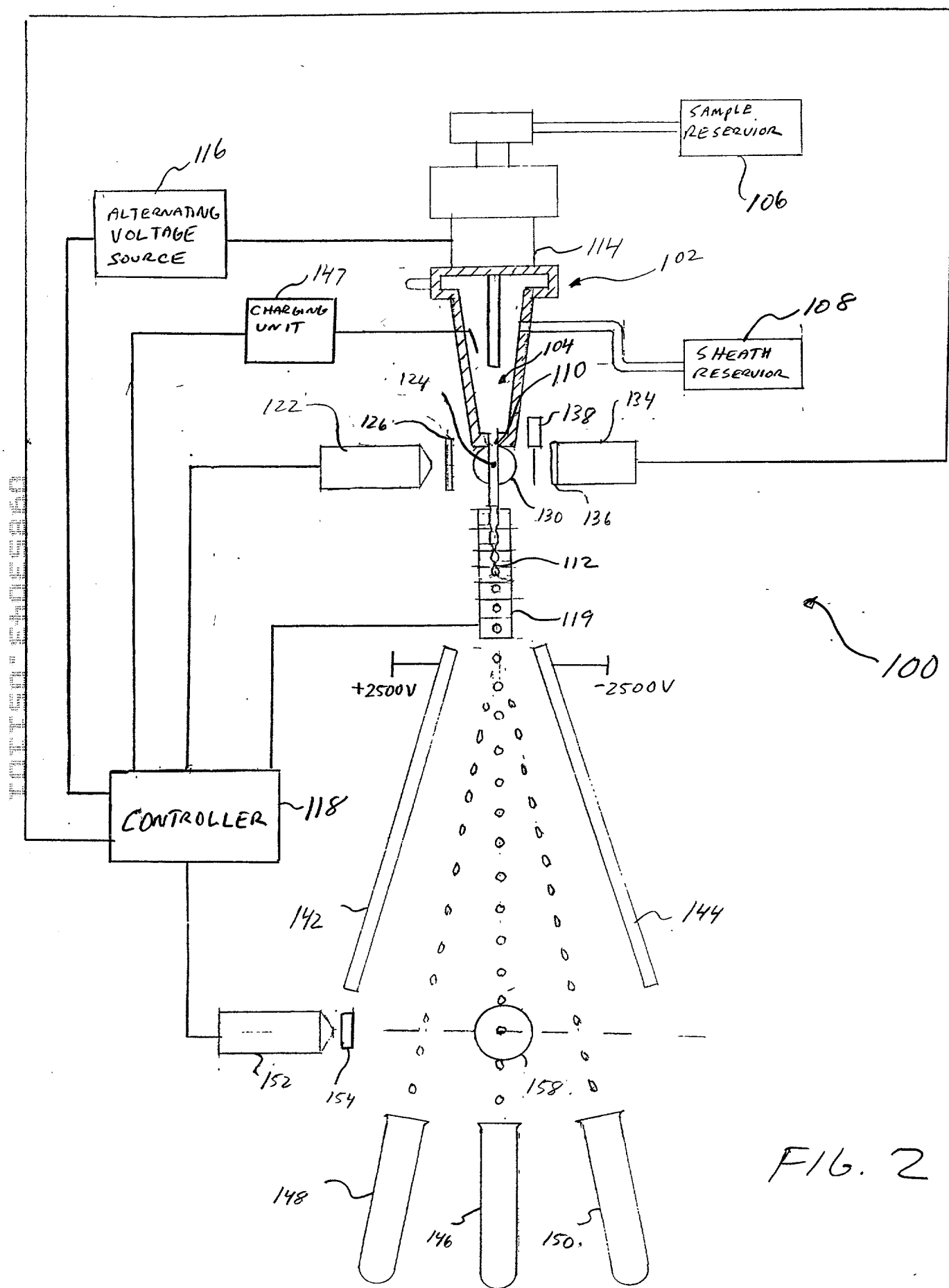


FIG. 1



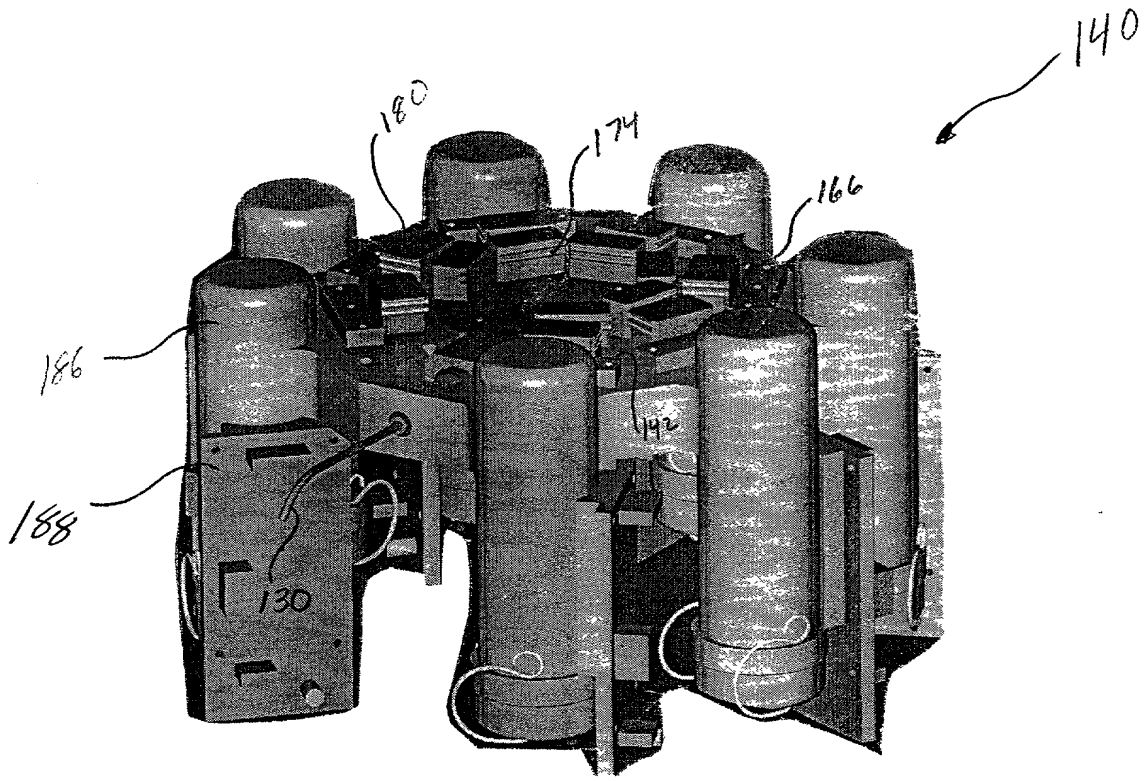


FIG. 3

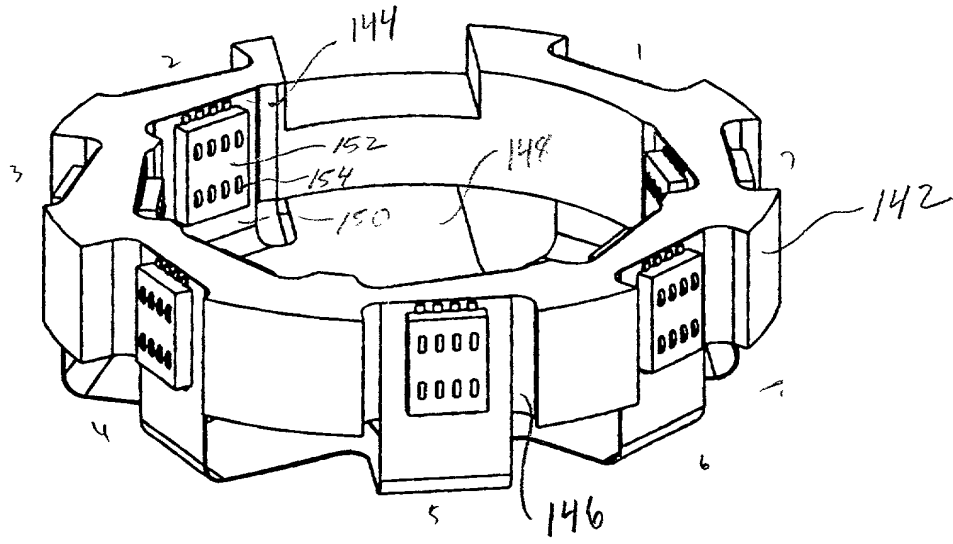


FIG. 4

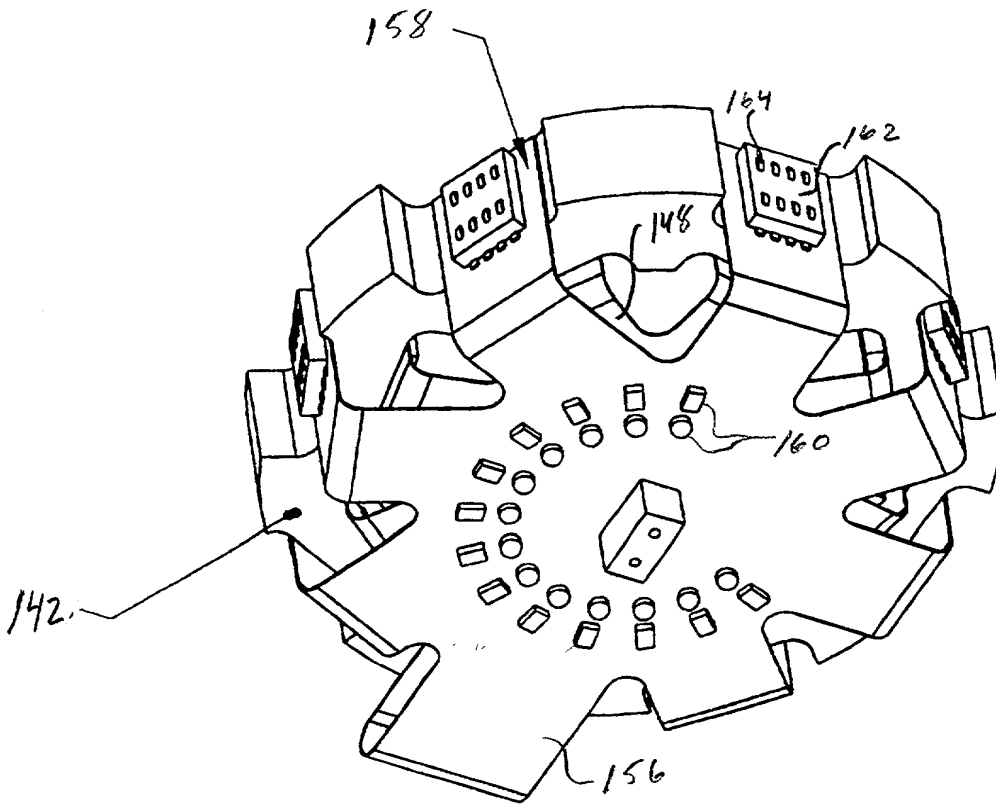


FIG. 5

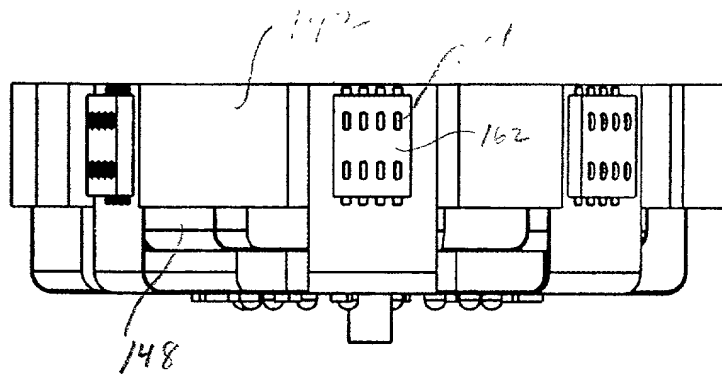


FIG. 6

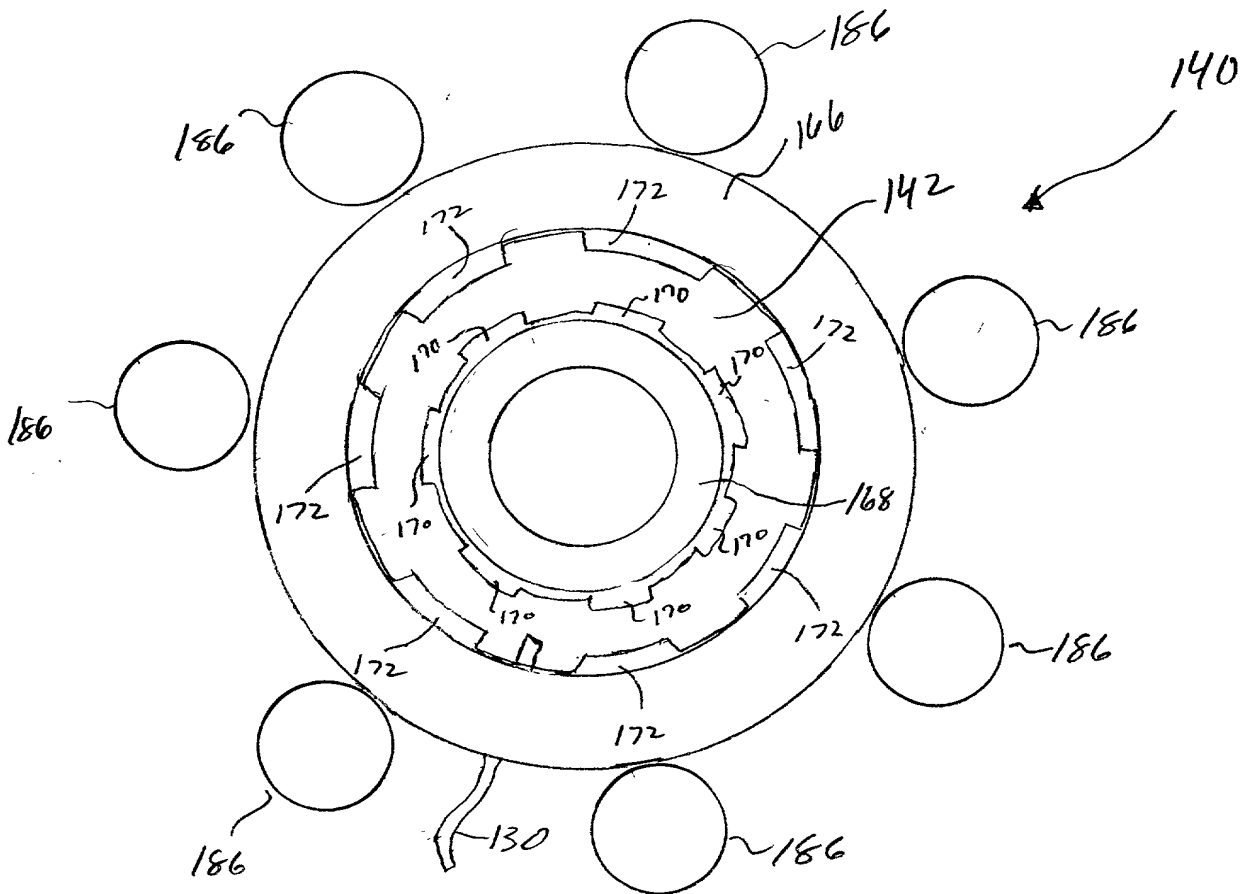


FIG. 7

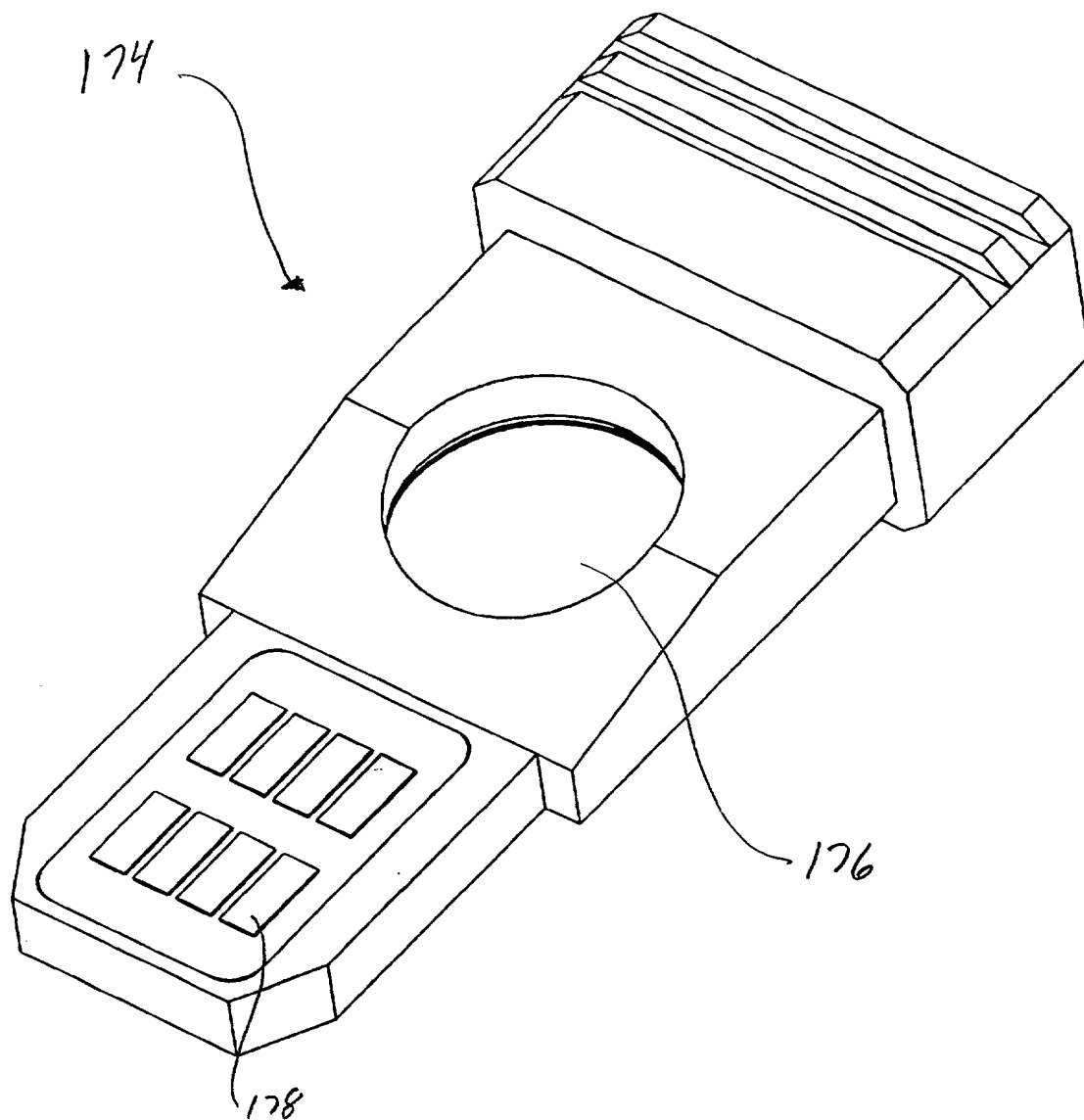


FIG. 8

101150 6406350

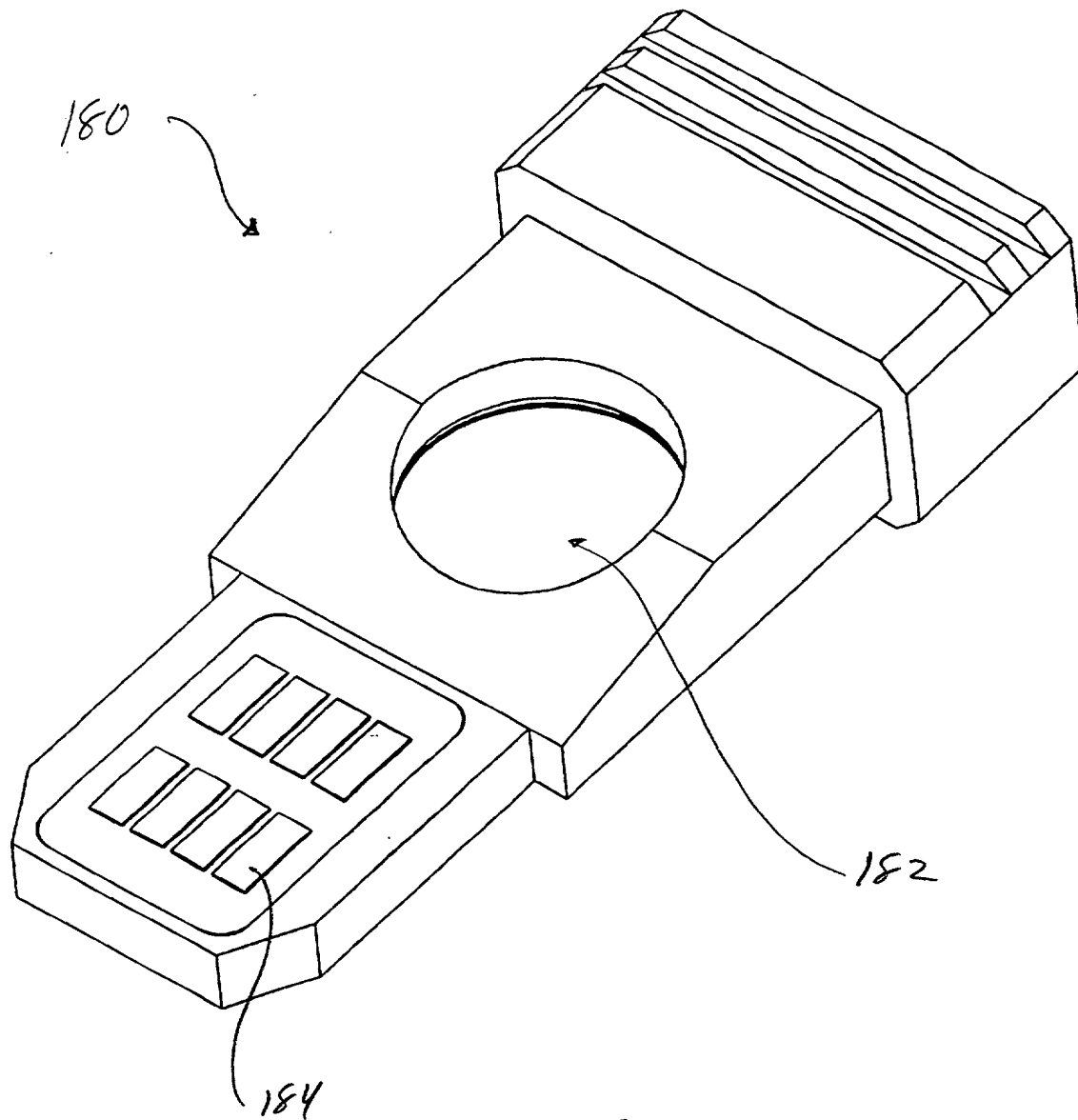


FIG. 9

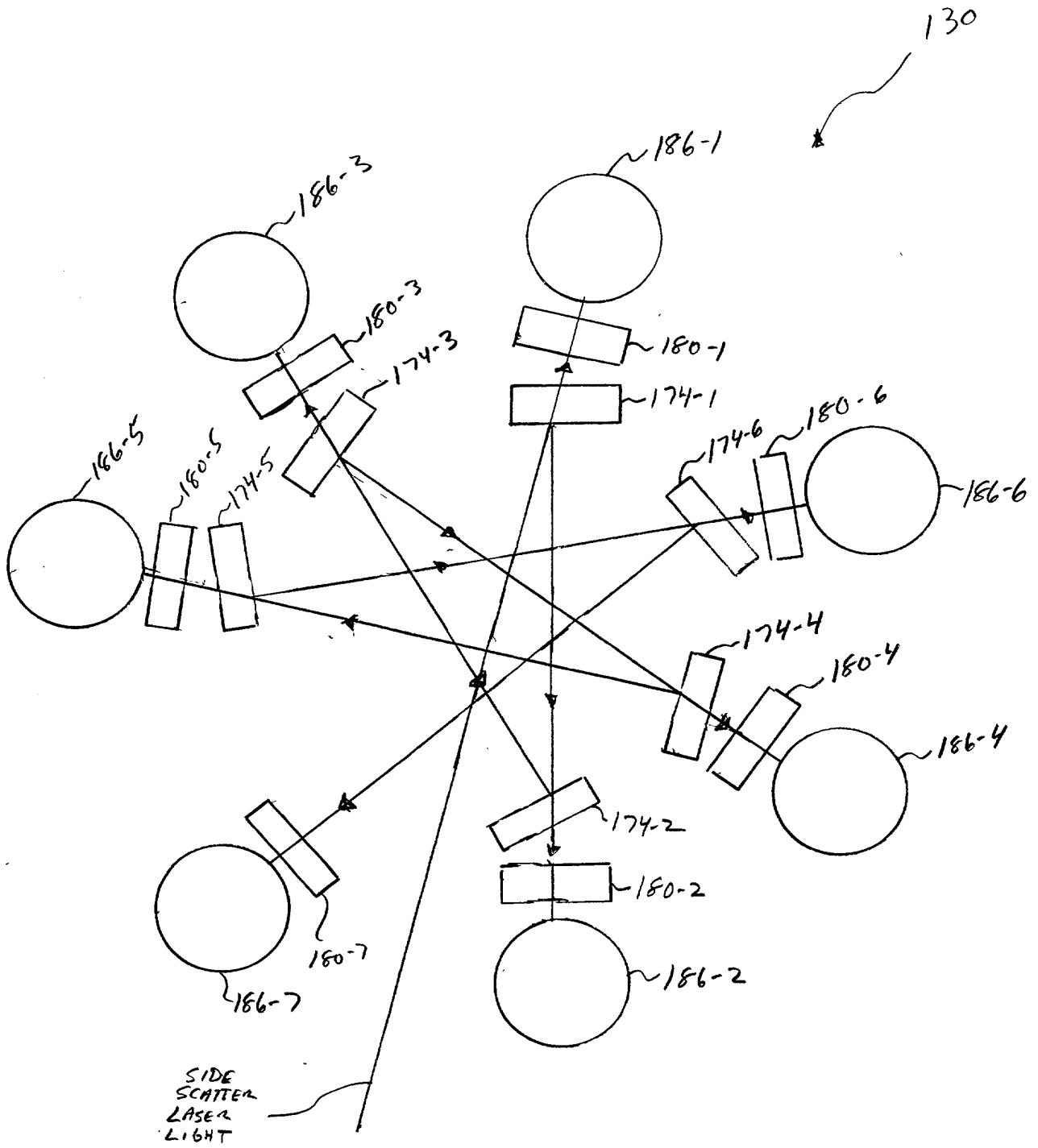
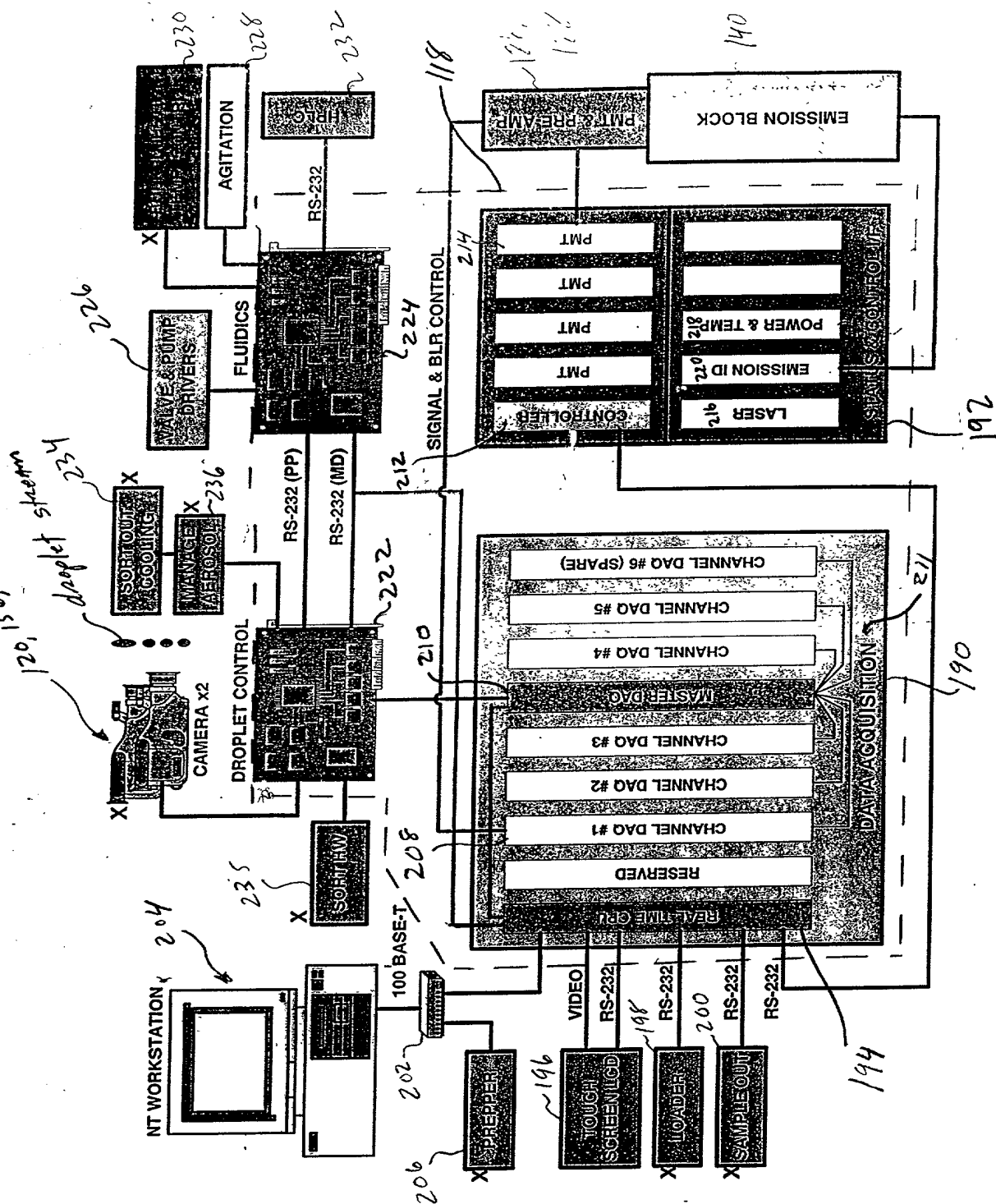


FIG. 10

TABLE 1	
Summary of the results of the 1990-1991 survey of the prevalence of <i>Salmonella</i> in the human population of the Republic of Serbia	
Region	Prevalence (%)
Belgrade	1.2
Subotica	0.8
Novi Sad	1.5
Crna Gora	0.5
Montenegro	0.3
Herzegovina	0.7
Bosnia	0.9
Slovenia	0.4
Croatia	0.6
Hungary	0.2
Romania	0.1
Bulgaria	0.3
Greece	0.5
Turkey	0.7
Iran	0.9
India	1.1
China	1.3
Japan	1.5
USA	1.7
UK	1.9
France	2.1
Germany	2.3
Italy	2.5
Spain	2.7
Portugal	2.9
Greece	3.1
Turkey	3.3
Iran	3.5
India	3.7
China	3.9
Japan	4.1
USA	4.3
UK	4.5
France	4.7
Germany	4.9
Italy	5.1
Spain	5.3
Portugal	5.5
Greece	5.7
Turkey	5.9
Iran	6.1
India	6.3
China	6.5
Japan	6.7
USA	6.9
UK	7.1
France	7.3
Germany	7.5
Italy	7.7
Spain	7.9
Portugal	8.1
Greece	8.3
Turkey	8.5
Iran	8.7
India	8.9
China	9.1
Japan	9.3
USA	9.5
UK	9.7
France	9.9
Germany	10.1
Italy	10.3
Spain	10.5
Portugal	10.7
Greece	10.9
Turkey	11.1
Iran	11.3
India	11.5
China	11.7
Japan	11.9
USA	12.1
UK	12.3
France	12.5
Germany	12.7
Italy	12.9
Spain	13.1
Portugal	13.3
Greece	13.5
Turkey	13.7
Iran	13.9
India	14.1
China	14.3
Japan	14.5
USA	14.7
UK	14.9
France	15.1
Germany	15.3
Italy	15.5
Spain	15.7
Portugal	15.9
Greece	16.1
Turkey	16.3
Iran	16.5
India	16.7
China	16.9
Japan	17.1
USA	17.3
UK	17.5
France	17.7
Germany	17.9
Italy	18.1
Spain	18.3
Portugal	18.5
Greece	18.7
Turkey	18.9
Iran	19.1
India	19.3
China	19.5
Japan	19.7
USA	19.9
UK	20.1
France	20.3
Germany	20.5
Italy	20.7
Spain	20.9
Portugal	21.1
Greece	21.3
Turkey	21.5
Iran	21.7
India	21.9
China	22.1
Japan	22.3
USA	22.5
UK	22.7
France	22.9
Germany	23.1
Italy	23.3
Spain	23.5
Portugal	23.7
Greece	23.9
Turkey	24.1
Iran	24.3
India	24.5
China	24.7
Japan	24.9
USA	25.1
UK	25.3
France	25.5
Germany	25.7
Italy	25.9
Spain	26.1
Portugal	26.3
Greece	26.5
Turkey	26.7
Iran	26.9
India	27.1
China	27.3
Japan	27.5
USA	27.7
UK	27.9
France	28.1
Germany	28.3
Italy	28.5
Spain	28.7
Portugal	28.9
Greece	29.1
Turkey	29.3
Iran	29.5
India	29.7
China	29.9
Japan	30.1
USA	30.3
UK	30.5
France	30.7
Germany	30.9
Italy	31.1
Spain	31.3



F16.11

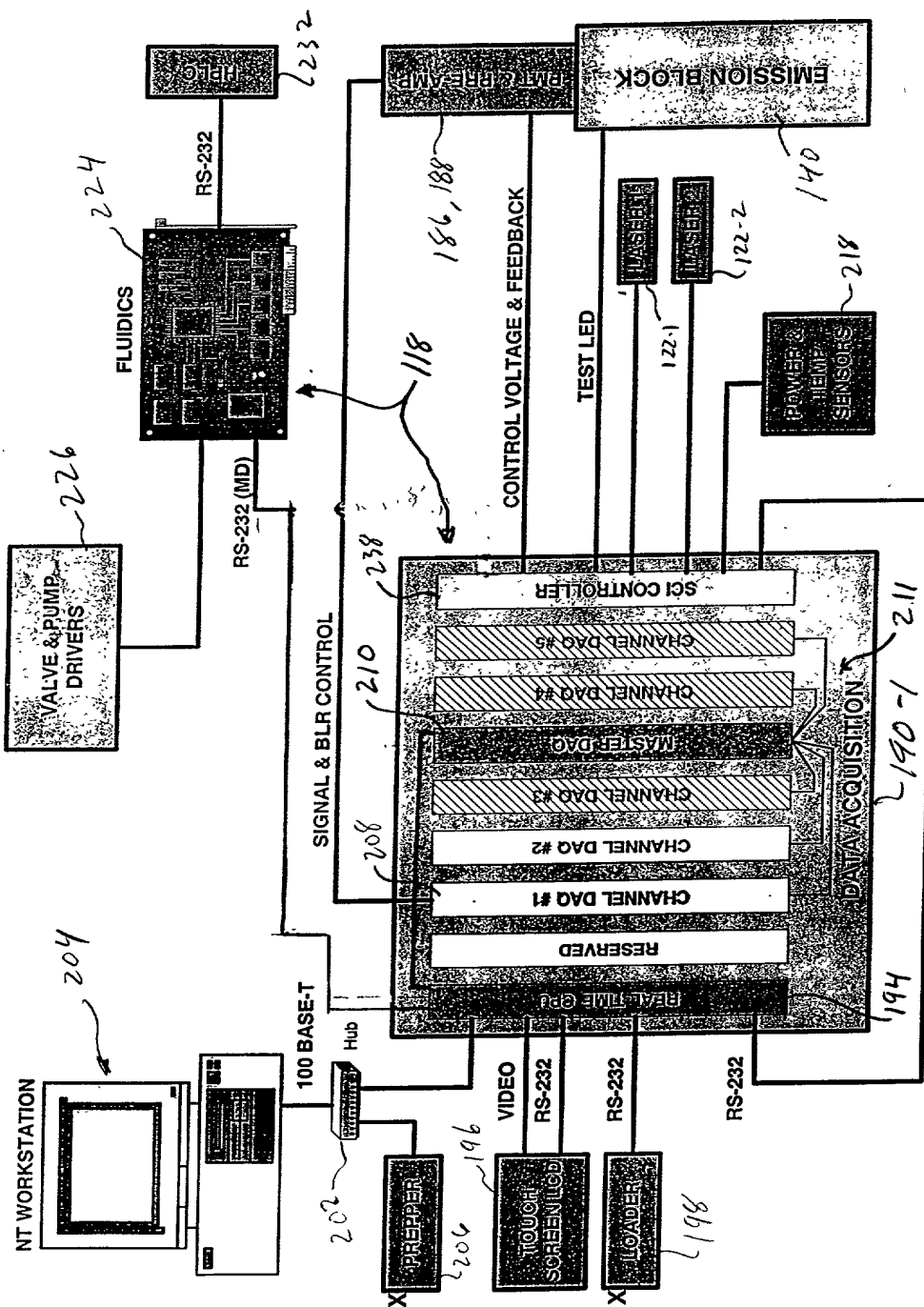


Fig. 12

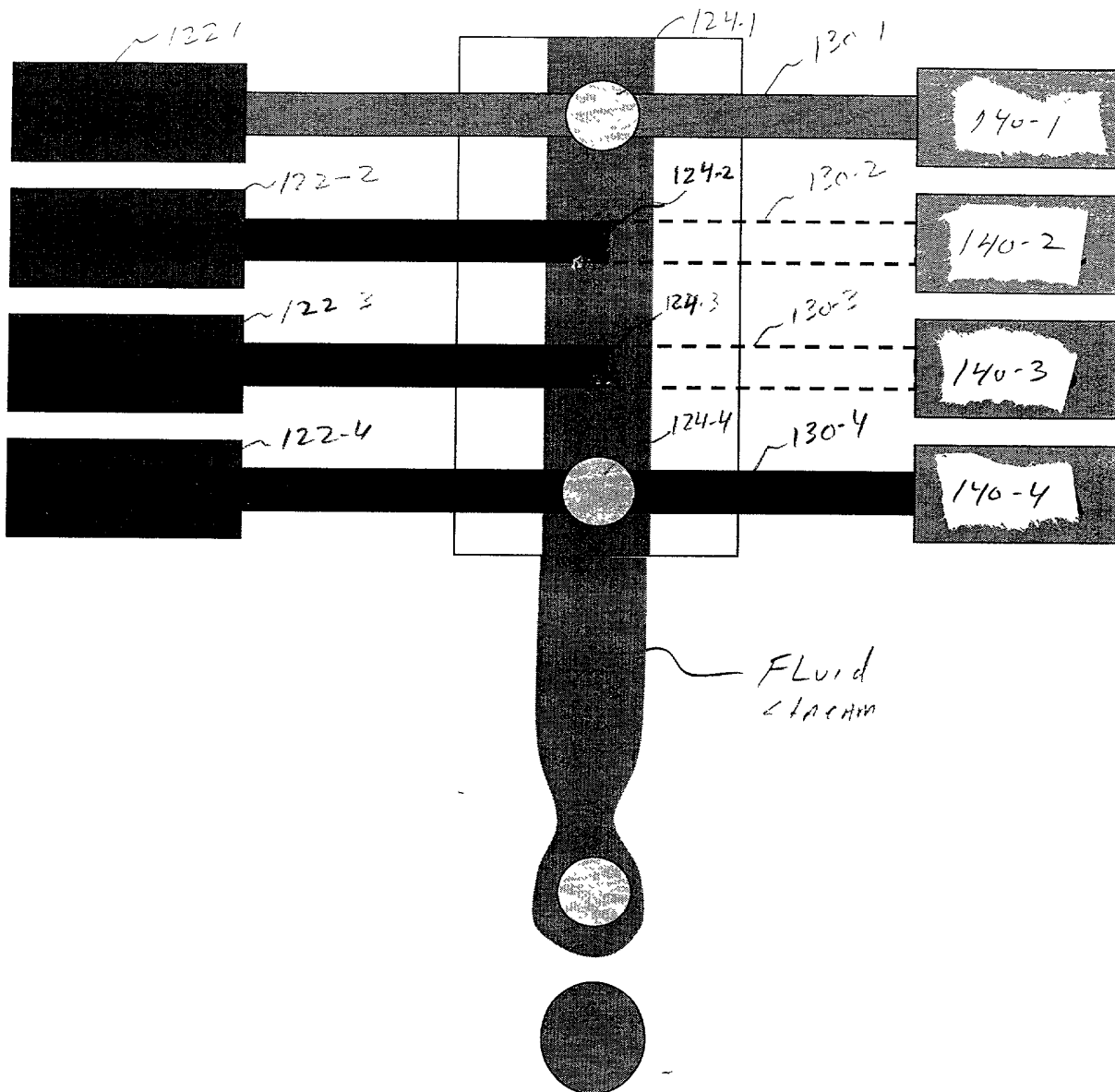


FIG. 13

FIG. 14

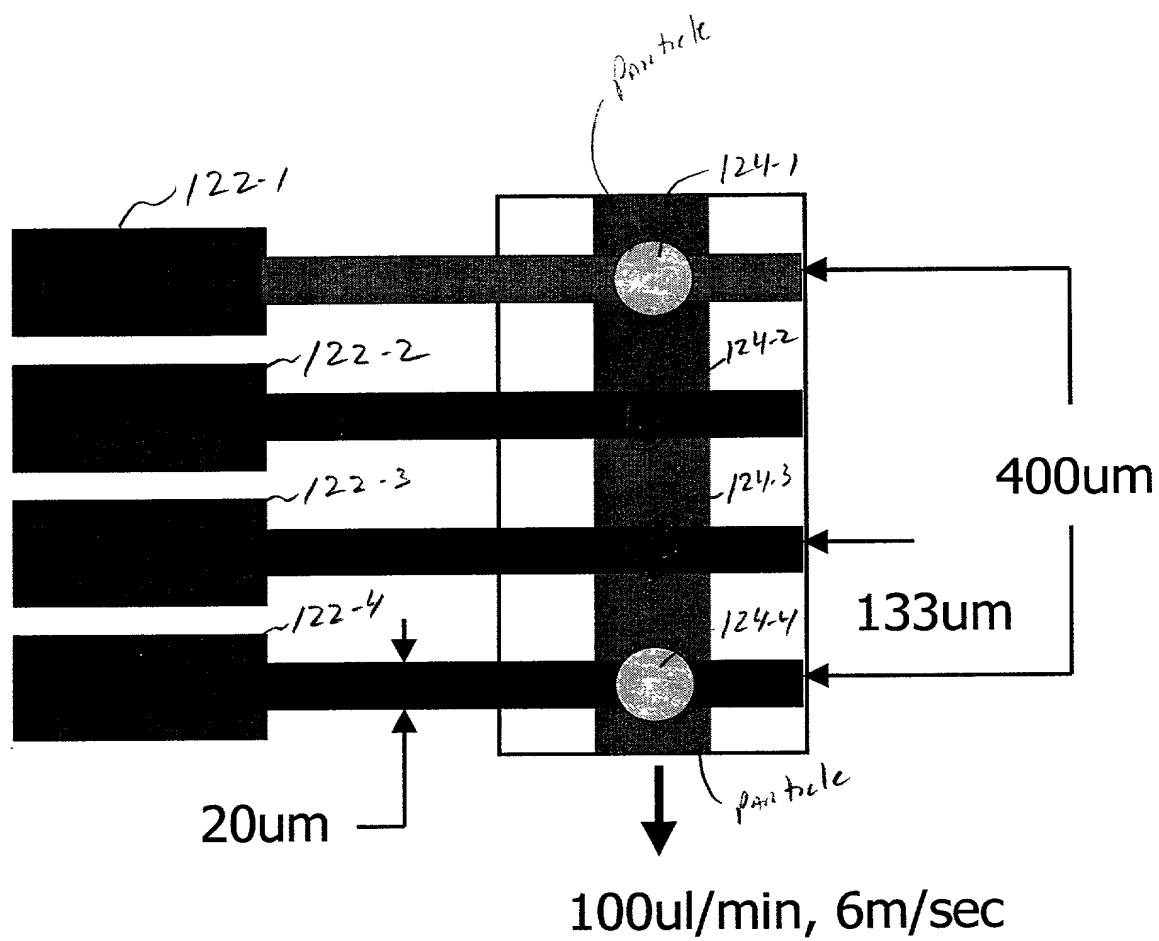


FIG. 14

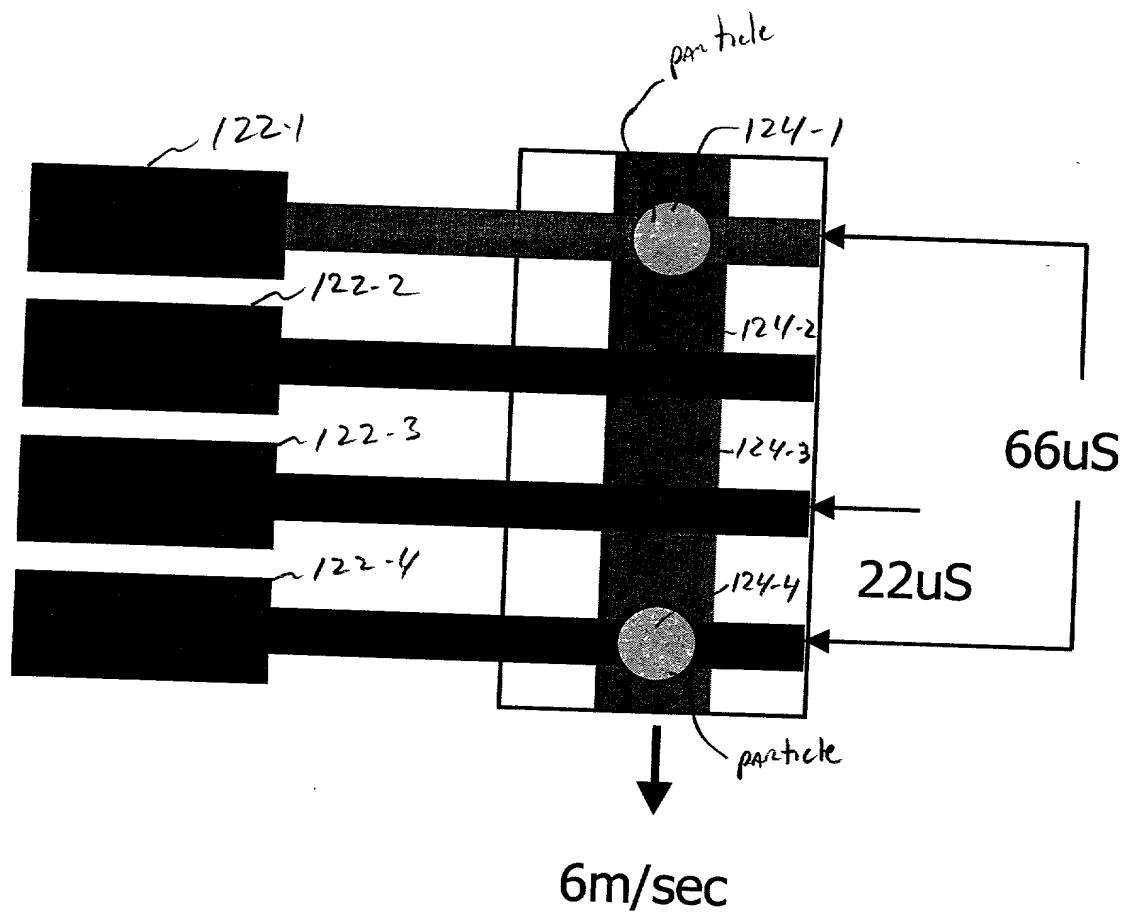
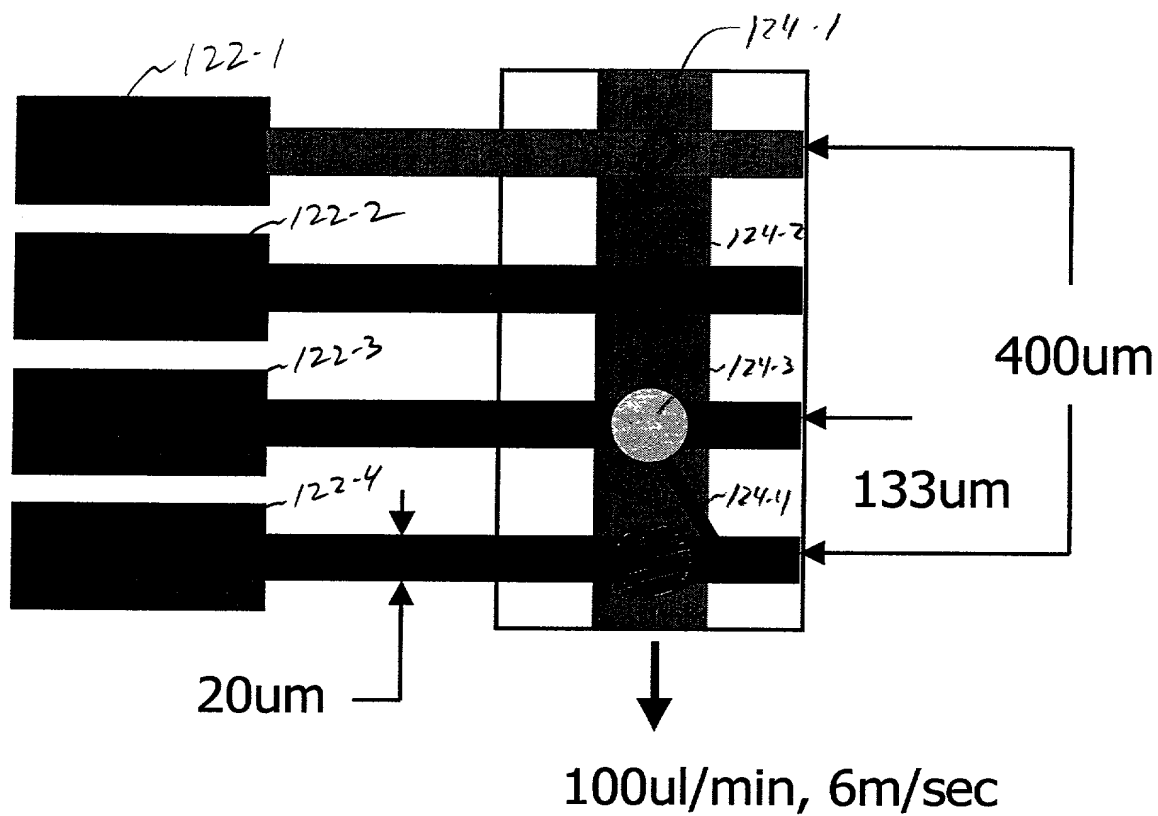
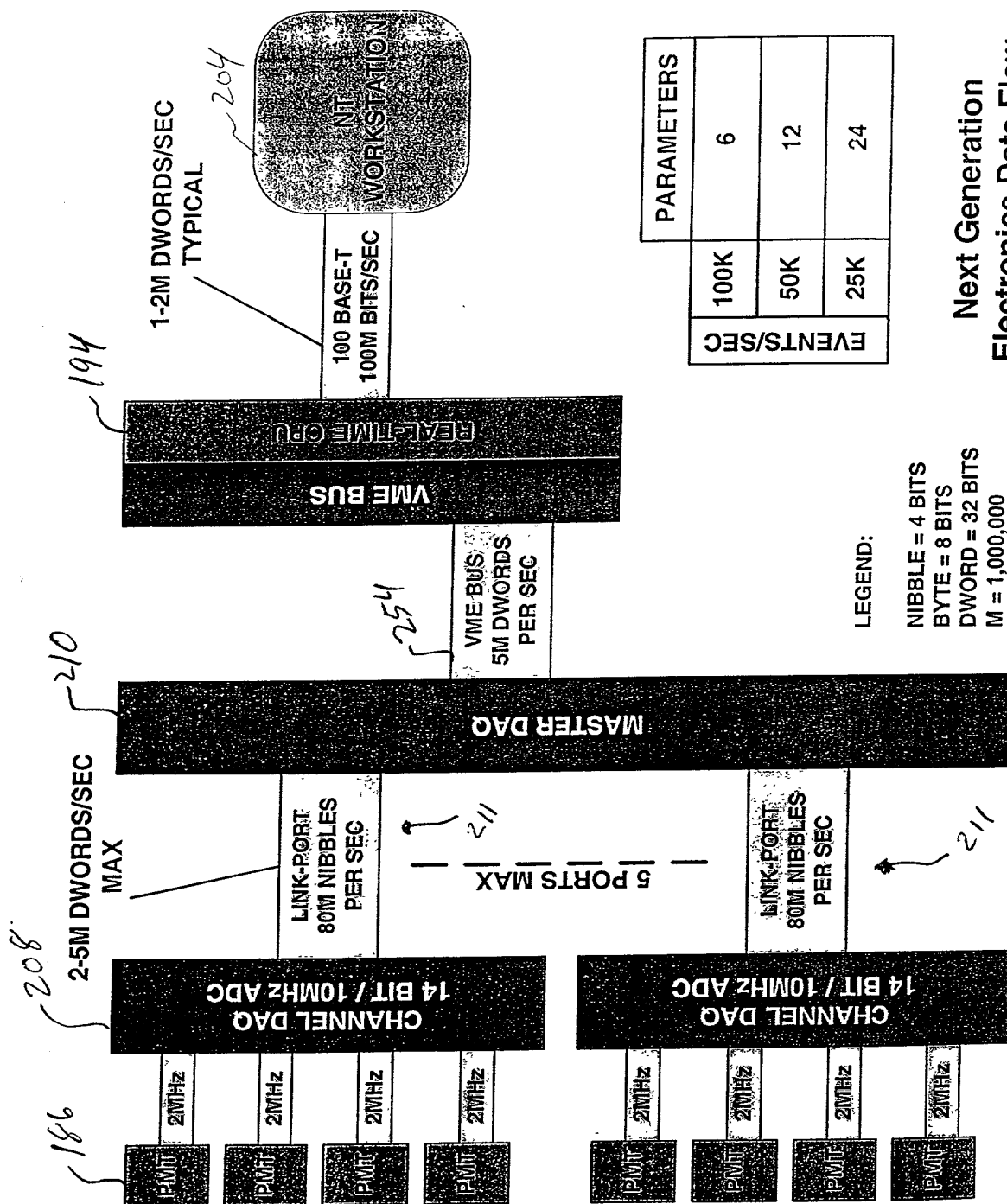


FIG. 15



F16-16



	PARAMETERS		
	EVENTS/SEC	100K	6
100K	50K	12	
	25K	24	

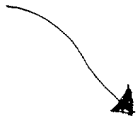
Next Generation Electronics Data Flow

LEGEND:

NIBBLE = 4 BITS
 BYTE = 8 BITS
 DWORD = 32 BITS
 M = 1,000,000

F16. 17

208



Voltage from PMT buffer amp, baseline serial control signals

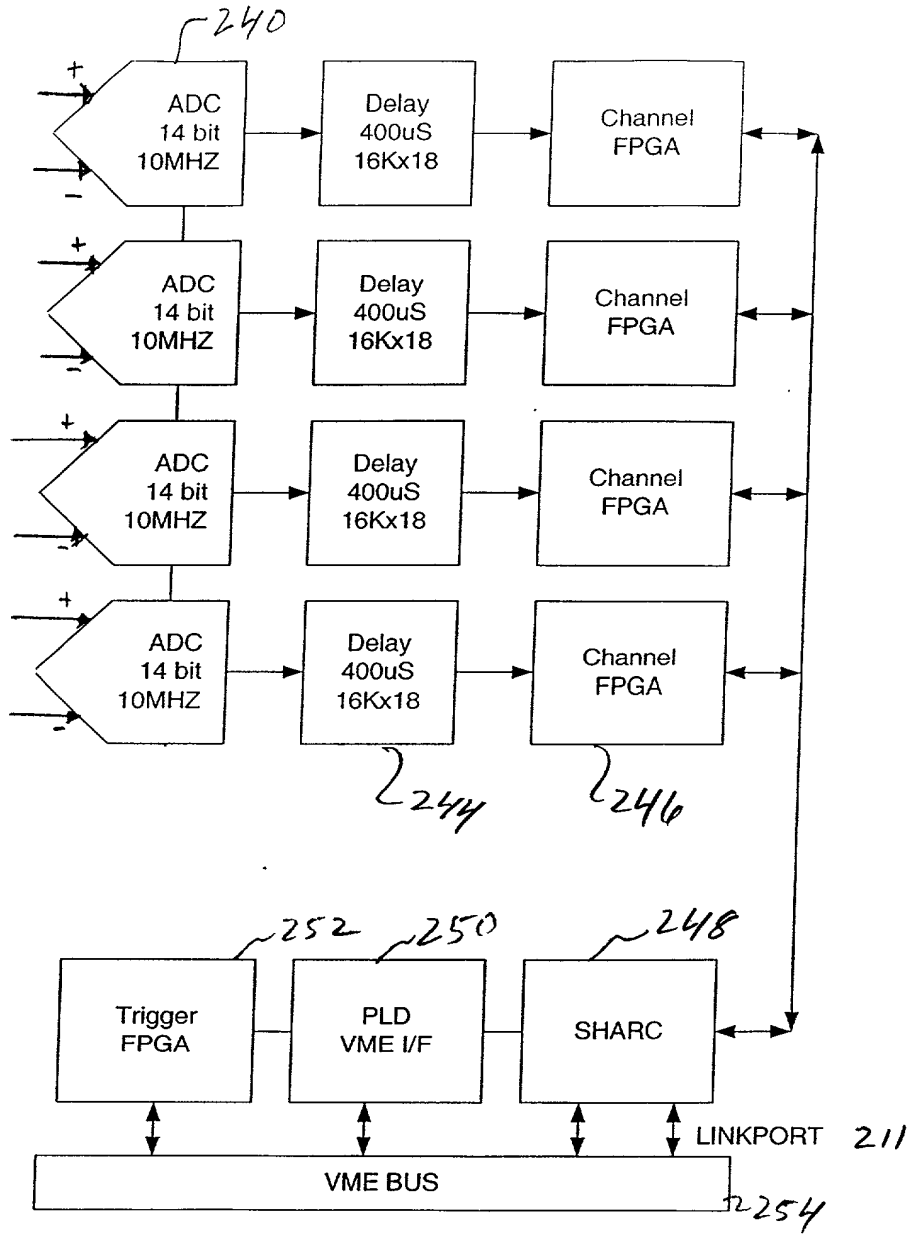


FIG. 18

FIG. 19

240

244

186

PMT D

PMT C

PMT B

PMT A

Fig. 19

210

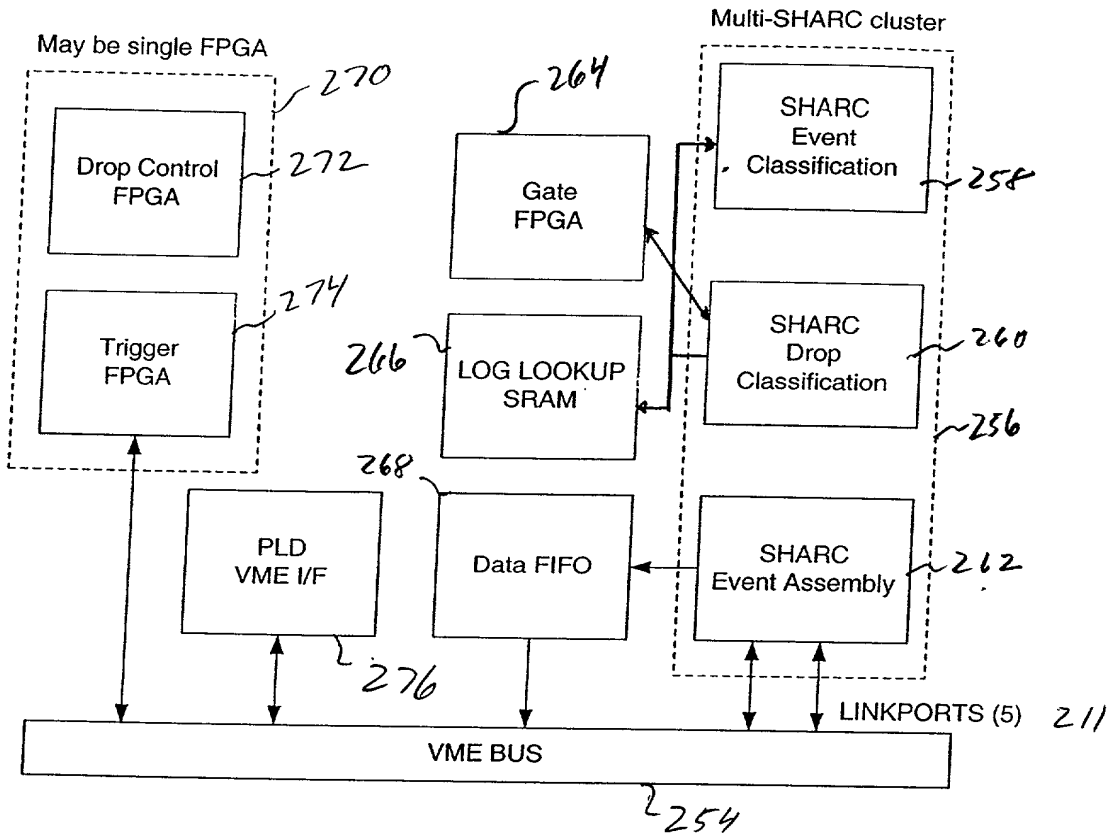


FIG. 20

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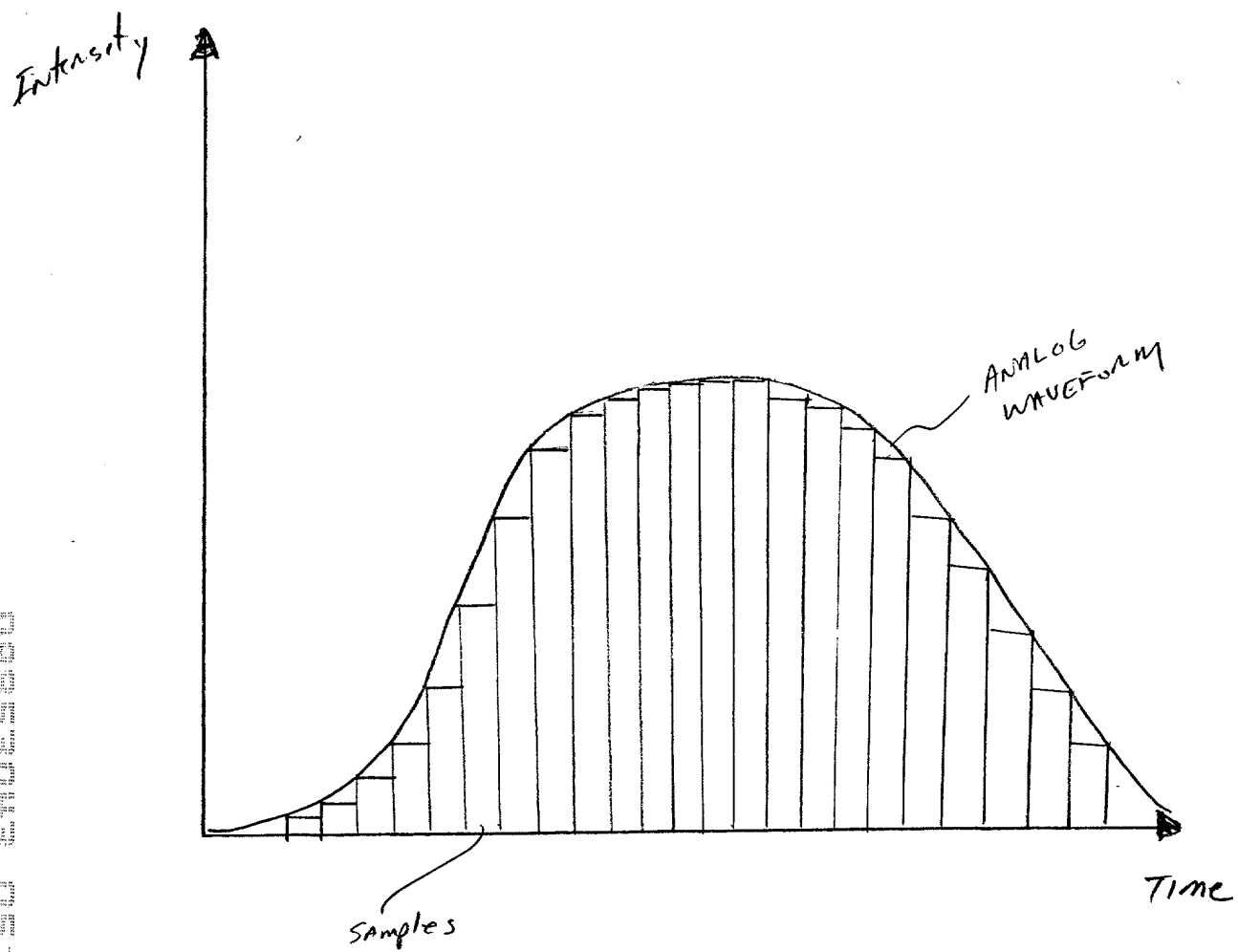


FIG. 21

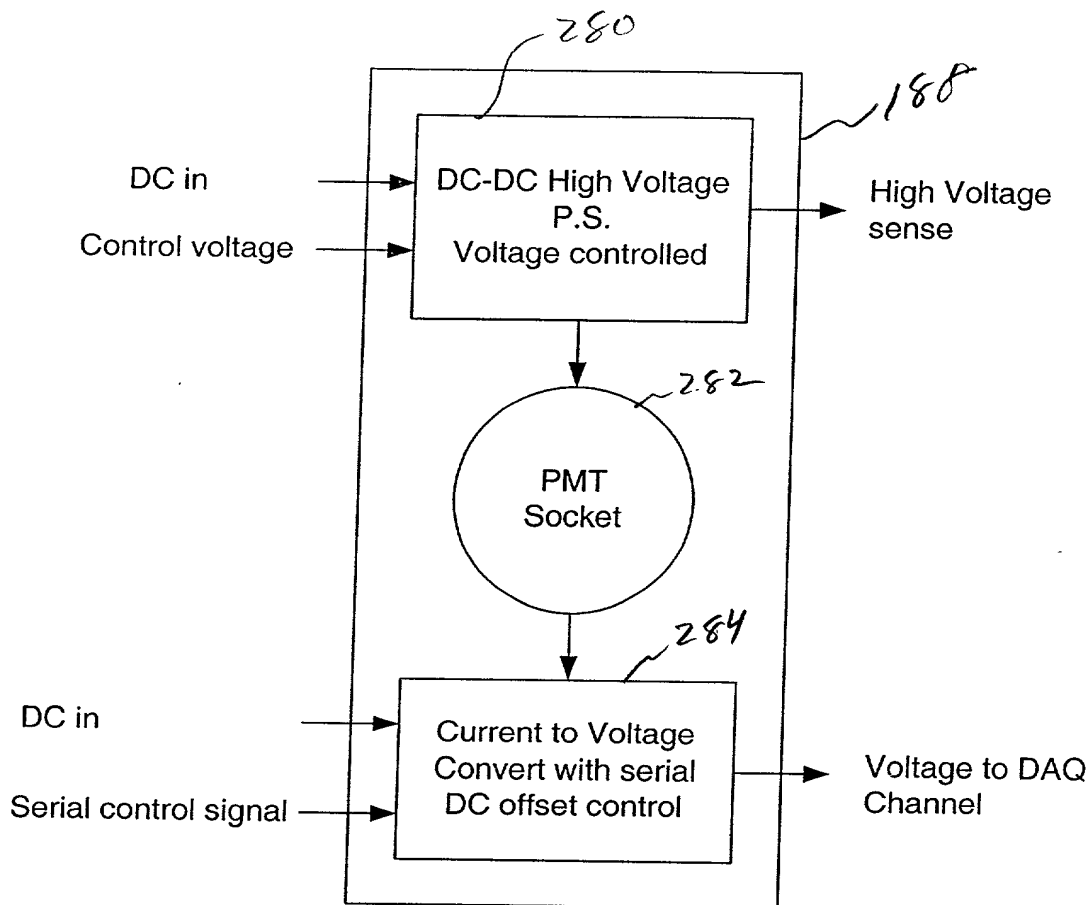
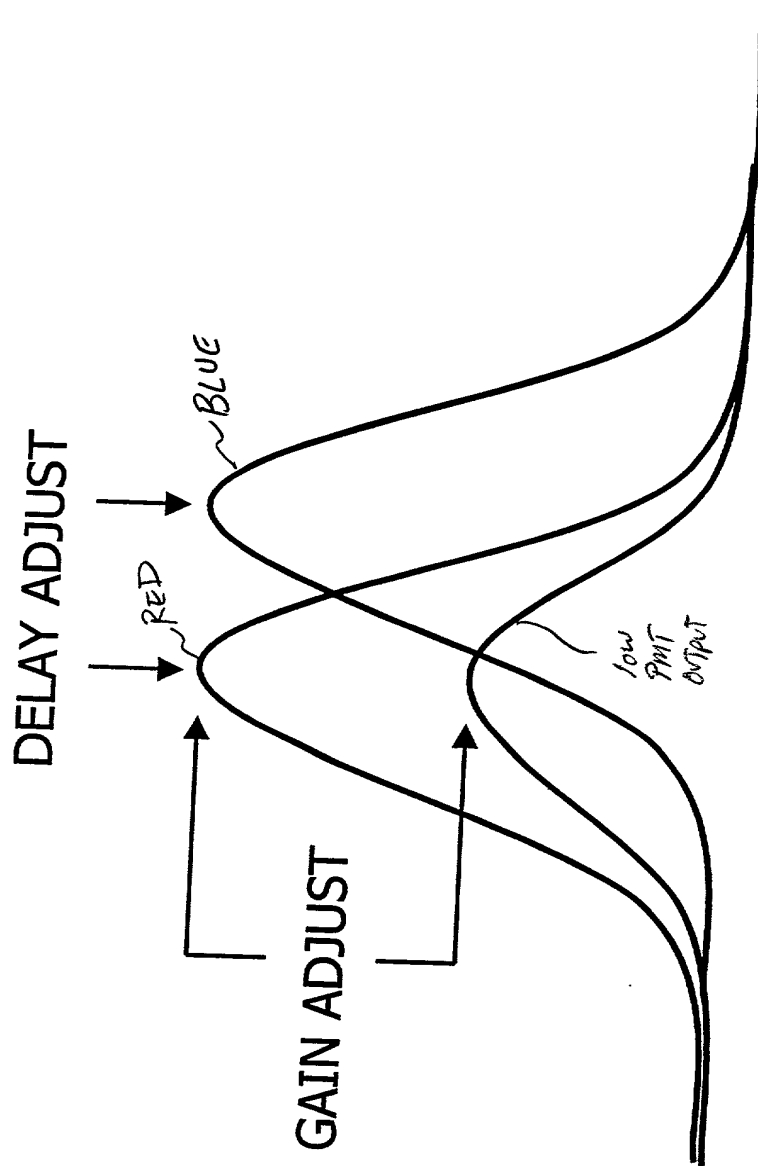


Fig. 22



Raw Channel Signal

Fig. 23

Inter-Laser Crosstalk

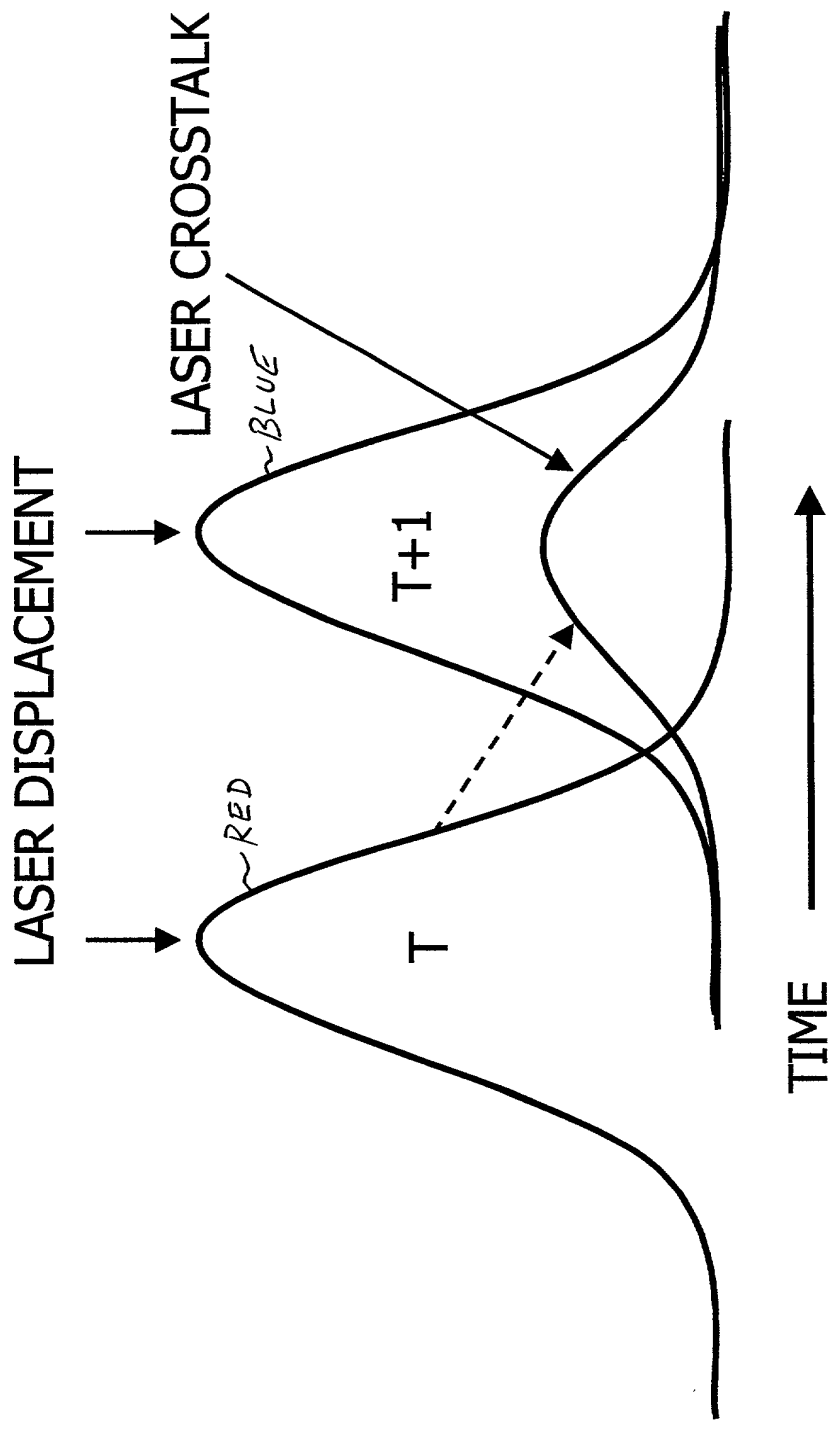


Fig. 24

Inter-Laser Crosstalk

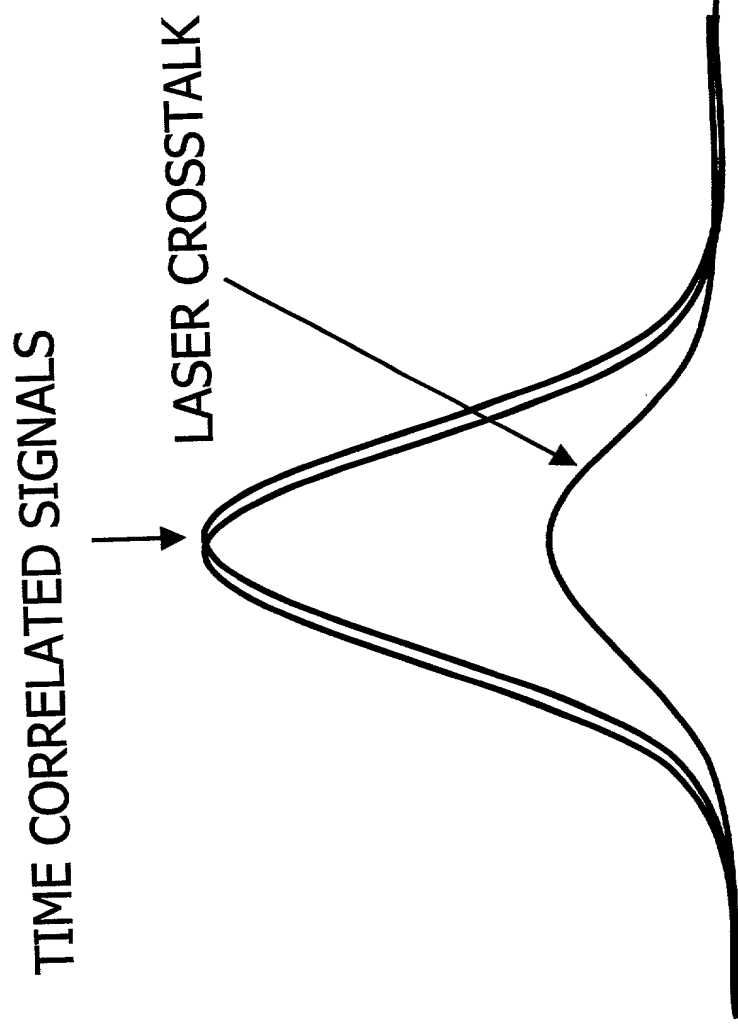


Fig. 25

Inter-Laser Crosstalk

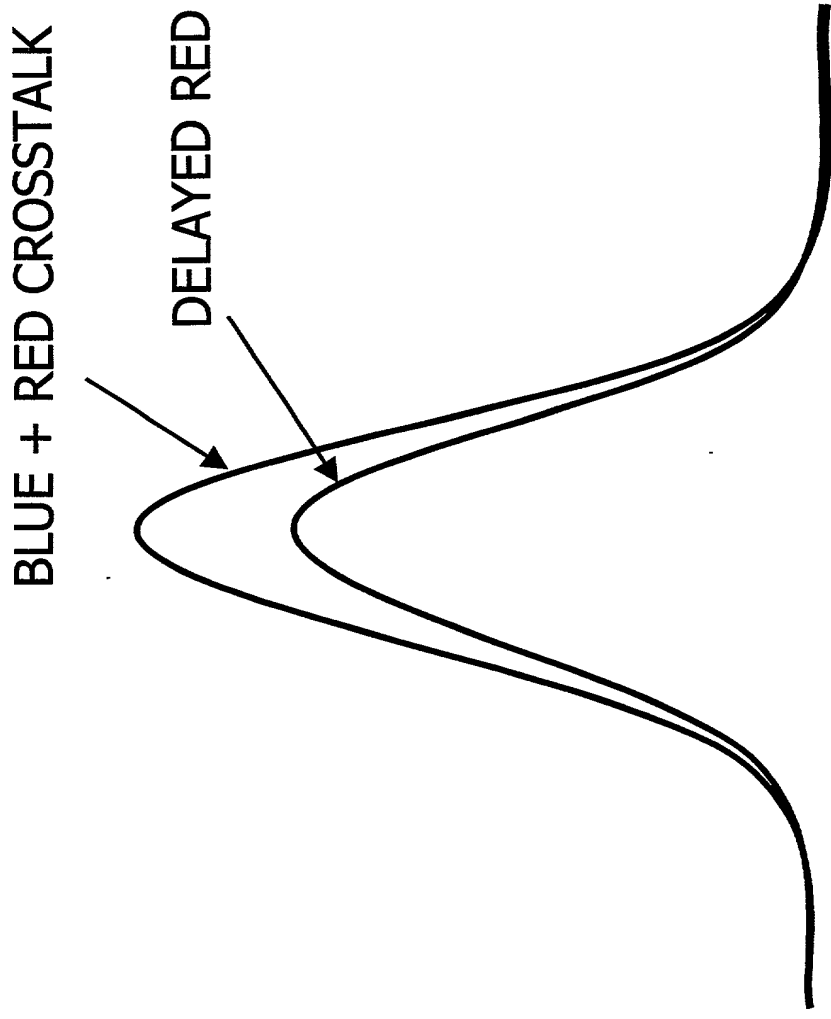


Fig. 26

Inter-Laser Compensation

BLUE = BLUE - % RED

DELAYED RED

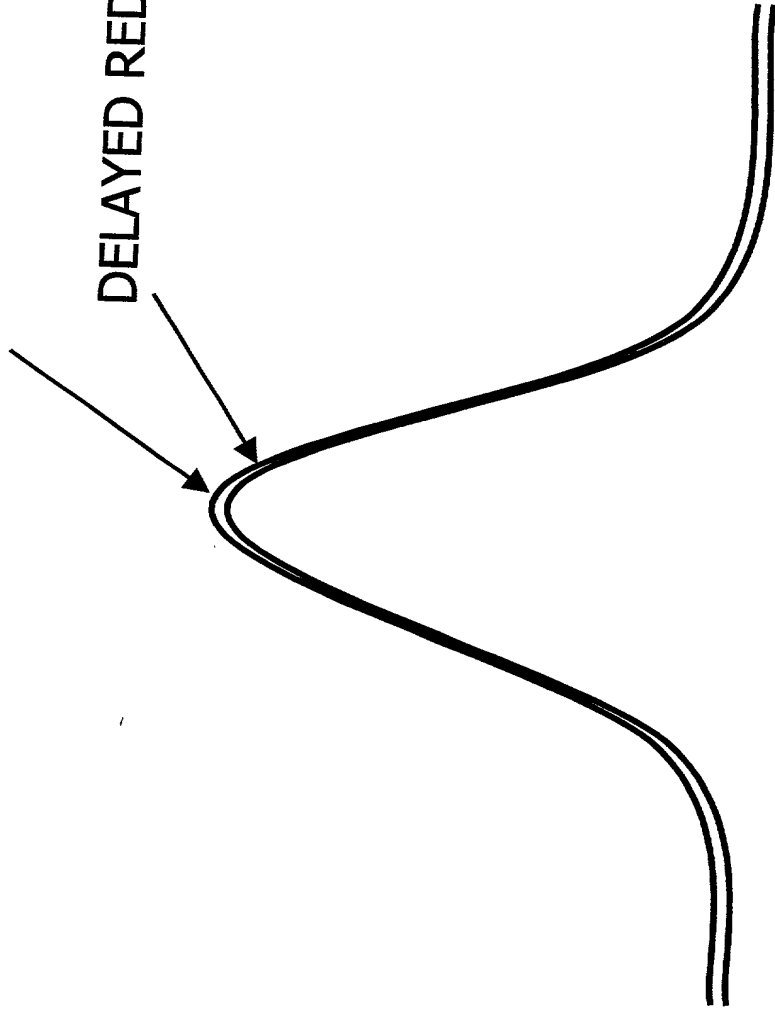


FIG. 27